

Appendix D



Shawangunk Grasslands National Wildlife Refuge
USFWS photo

Refuge Operations Needs System (RONS) and Maintenance Management System (MMS)

Appendix D

Table D-1: Refuge Operations Needs (RONS) Projects for Shawangunk Grasslands Refuge

Project #	Project Description	Tier*	Refuge Rank	Regional Rank	FTEs** (personnel)	First Year Cost (\$1000)	Recurring Cost (\$1000)	Duration years
00002	Provide Environmental Education and Interpretation (Visitor Services Specialist)	1	1	100	1	65	73	15
00201	Enhance Grassland and Shrubland Management (Maintenance Worker)	1	4	104	1	65	66	15
99002	Conduct Wildlife Inventory and Develop Management Plans (Biologist)	1	5	123	1	65	86	15
00013	Provide Kiosk, Information and Entrance Signs	1	9	137	0	23	0	1
00003	Survey Vegetation and Invertebrate Communities	1	11	141	0	49	0	1
00006	Evaluate the Effects of Invasive Plant Biological Control on Grasslands and Grassland-dependent Species	1	14	183	0	151	0	1
02002	Improve Grassland Management Program	2	13	55	0	264	40	
02001	Enhance Refuge Daily Operations	2	22	56	1	65	73	
02003	Study Collapsing Drainage System	2	15	62	0	55	0	
00007	Design and construct interpretive trail+	Not ranked				see Notes below	see Notes below	15
	Totals	-	-	-	4	802	338	-

NOTES

*Tier 1 projects identify essential staff and mission-critical activities; Tier2 are all other priority projects.

**FTE: full-time equivalent; refers to the proportion of a full time employee. An FTE of "1.0" means one person is needed full-time.

+ : May 17, 2005 estimates from Regional Office Engineering (Pam Rooney) suggest costs for designing and constructing an interpretive trail and visitor contact facility are \$303,961. This estimate is based on construction occurring in four phases and may include some items in Project #00013.

Refuge Operations Needs (RONS) and Maintenance Management System (MMS) Projects

Table 2: Maintenance Management System (MMS) Projects for Shawangunk Grasslands Refuge

Project No.	Project Title	Refuge Rank	Regional Rank	Cost Estimate (\$1000)
01001	Remove Runways and Taxiways - Phase I *	1	1	313
01001	Remove Runways and Taxiways - Phase II *	1	1	2,375
00001	Replace Trailer: Construct Small Office/ Visitor Contact Facility	4	New construction (not ranked)	1,879
00020	CN Widen, Repave Roadway (.2 mi.) and Public Use Parking Area	42	2	432
00017	Remove remnants of FBI compound	35	3	39
	Totals	-	-	\$5,038

NOTES

* May 17, 2005 estimates from Regional Office Engineering (Pam Rooney) suggest costs for main and secondary runway removal and disposal could be \$1,260,695. It is difficult to get an accurate estimate until the project is fully designed and goes out for bid.



Standing on the refuge runway facing the Shawangunk Ridge
Photo courtesy of Ed Henry, USFWS